

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

X-4

59008

DATE: February 3, 1982

SUBJECT: PCB Sampling - New Bedford, MA

FROM: Rebecca L. Cleaver
Surveillance and Analysis Division

RLL

TO: James Okun
Enforcement Division

On November 12, 1981, Daniel Granz (S & A), James Okun (Enforcement), and I conducted a sampling survey at Aerovox Industries, Inc. and at a playground adjacent to Cornell - Dubilier Electronics Company, both located in New Bedford, MA. Also, sludge samples were collected at the Fairhaven, MA WWTP and at the New Bedford, MA WWTP (The sludge sample from the New Bedford, MA WWTP was collected by Jim Okun only.) All samples were analyzed for PCB's by Versar, Inc. of Springfield, Virginia. EPA's regional chain-of-custody procedures were followed in collecting and shipping the samples.

Sampling at Playground near Cornell-Dubilier Electronics Co.

Jerry Monte - MA DEQE was also present during this sampling survey. Samples were collected at six locations on the playground including topsoil samples under two swingsets (Stations PLAY01 and PLAY03), a sandy sample from a sandy play pit area (Station PLAY02), and a soil-horizon cross-section of samples from a hole dug in a grassy play area (Stations PLAY04, PLAY05, and PLAY06). Refer to the enclosed chart and map which give exact locations, sample descriptions, and the analytical results.

Sampling at Aerovox Industries, Inc.

Jerry Monte - MA DEQE, Coast Guard personnel, and Aerovox representatives were present during some of this sampling. Sediment samples were collected from the tidal flats of the Acushnet River behind the Aerovox facility. Samples were collected from approximately 1:45 p.m. to 3:55 p.m. when the tide was unusually low, exposing much of the tidal flats. Exact sample locations, sampling depths, and analytical results are shown on the enclosed map and chart.

PLAYGROUND ADJACENT TO CORNELL-DUBILIER ELECTRONICS COMPANY
NEW BEDFORD, MA

<u>Station Number</u>	<u>Sample Description</u>	<u>Sample Number</u>	<u>PCB Concentration (ppm)</u>	<u>Aroclor</u>
PLAY01	Sample from surface to 3" depth	74173	< 1	-
PLAY02	Sample from 1" to 3" depth	74174	2	1254
PLAY03	Sample from 1" to 3" depth	74175	4	1254
PLAY04	Topsoil: 1" to 3" depth	74176	2	1254
PLAY05	Dark Loamy Fill: 9" depth	74177	3	1254
PLAY06	Light Sandy Fill: 18" to 20" depth	74178	< 1	-
FAIR01	Dewatered Sludge from Fairhaven, MA WWTP	74172	< 1	-
SLUD01	Dewatered Sludge from New Bedford, MA WWTP prior to incineration	74198	20	1242

OCEAN

Hurricane Wall →

CORNELL
FACTORY.

Barbed-Wire Fence

N ←

PLAY04
PLAY05
PLAY06

Asphalt Courts

25'

Swings

PLAY03

Sliding Boards

ROAD

GRAVEL
BASEBALL
FIELD

PLAY01

Swingset

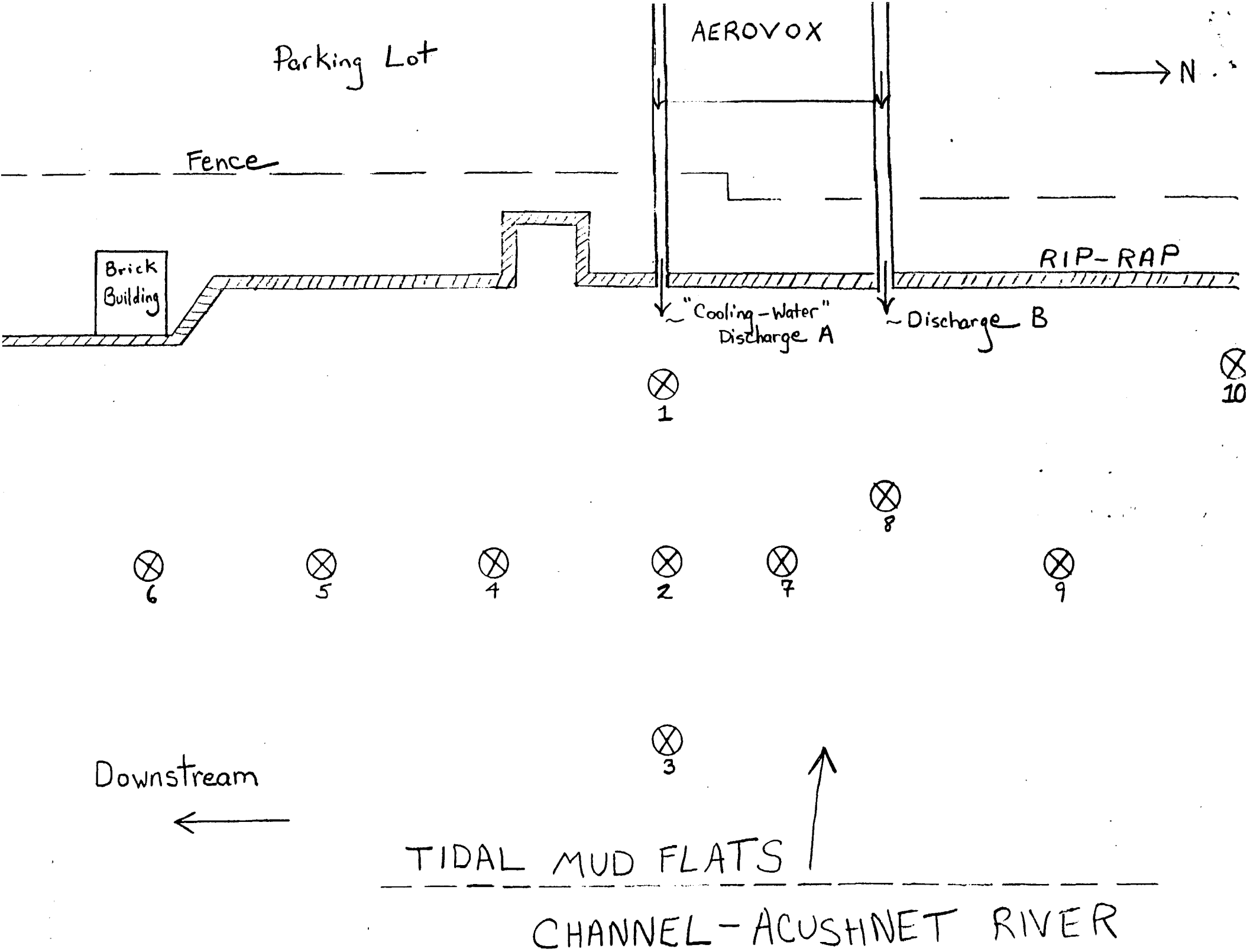
PLAY02

SAND
PIT

CLEVELAND STREET

AEROVOX - New Bedford, MA

<u>Location Number and Description</u>	<u>Station Number</u>	<u>Sample Depth</u>	<u>Sample Number</u>	<u>PCB Concentration (ppm)</u>	<u>Aroclor</u>
1: 25' offshore from riprap and in line with cooling-water discharge "A"	AER001	Surface	74179	20,200	Mix
	AER01B	12" to 16"	74180	20,600	Mix
2: 65" offshore from riprap and in line with cooling-water discharge "A"	AER002	Surface	74181	4,900	1242
	AER02B	24"	74182	370	1242
3: 110' offshore from riprap and in line with cooling-water discharge "A"	AER003	Surface	74183	3,200	1242
	AER03B	16"	74184	3,200	Mix
4: 65' offshore from riprap and 40' downstream of Location #2	AER004	Surface	74185	5,000	Mix
	AER04B	12"	74186	5,800	Mix
5: 65' offshore from riprap and 40' downstream of Location #4	AER005	Surface	74187	2,400	Mix
	AER05B	12"	74188	6,500	Mix
6: 65' offshore from riprap and 40' downstream of Location #5	AER006	Surface	74189	3,400	Mix
	AER06B	12"	74190	6,000	Mix
7: 65' offshore from riprap and midway between the two discharges "A" and "B"	AER007	Surface	74191	13,000	Mix
	AER07B	12"	74192	220	Mix
8: 45' offshore from riprap and directly in line with discharge "B"	AER008	Surface	74193	10,000	Mix
	AER08B	12"	74194	190,000	Mix
9: 65' offshore from riprap and 40' upstream of Location #8	AER009	Surface	74195	6,500	Mix
	AER09B	12"	74196	16,000	Mix
10: 20' offshore from riprap and 45' upstream of Location #9	AER010	Surface	74197	15	1242



AEROVCX, NEW BEDFORD MASS.
SAMPLING LOCATIONS FROM NOVEMBER 12, 1981

